

Contract Year	Contract Value		
	Net Inv. Return	Variable Contract	Fixed Contract
0	-	10,000	10,000
1	10%	11,000	10,500
2	5%	11,550	11,025
3	-12%	10,164	11,576
4	25%	12,705	12,155
5	14%	14,484	12,763
6	11%	16,077	13,401
7	2%	16,398	14,071
8	-5%	15,579	14,775
9	4%	16,202	15,513
10	23%	19,928	16,289
11	18%	23,515	17,103
12	0%	23,515	17,959
13	-7%	21,869	18,856
14	-3%	21,213	19,799
15	10%	23,334	20,789

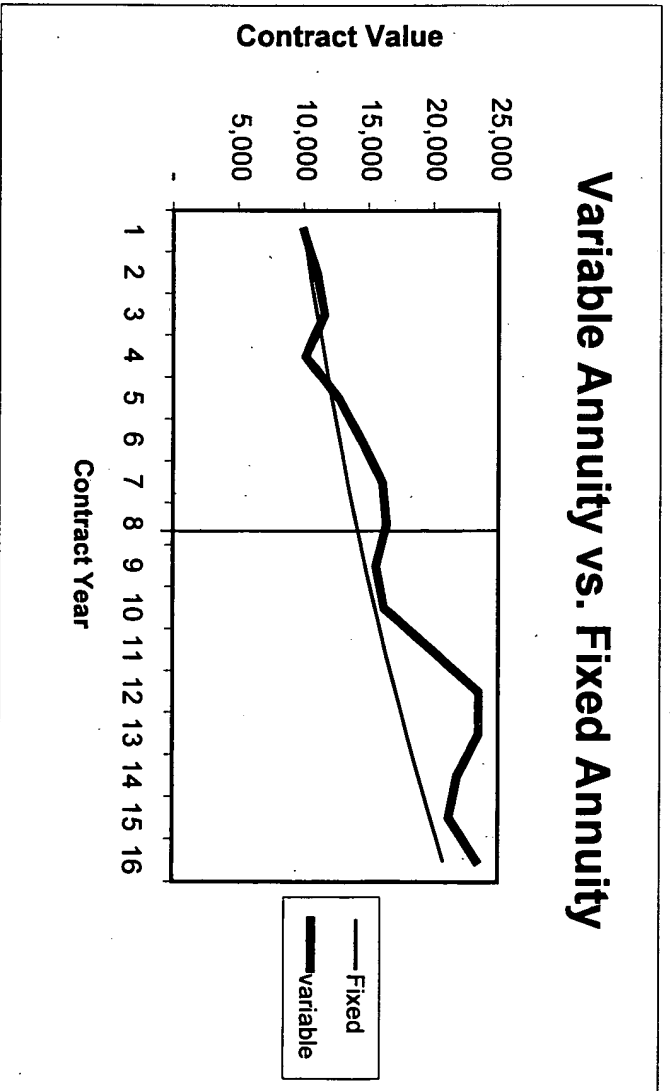


FIGURE 1

Copyright © 1999 by John Wiley & Sons, Inc.

Contract Year	Accumulation Unit Value ¹	Annuity Unit Value ²
0	1.00000	1.00000
1	1.09000	1.03810
2	1.18810	1.07764
3	1.29503	1.11869
4	1.41158	1.16131
5	1.53862	1.20555
6	1.67710	1.25148
7	1.82804	1.29915
8	1.99256	1.34864
9	2.17189	1.40002
10	2.36736	1.45336
11	2.58043	1.50872
12	2.81266	1.56620
13	3.06580	1.62586
14	3.34173	1.68780
15	3.64248	1.75210

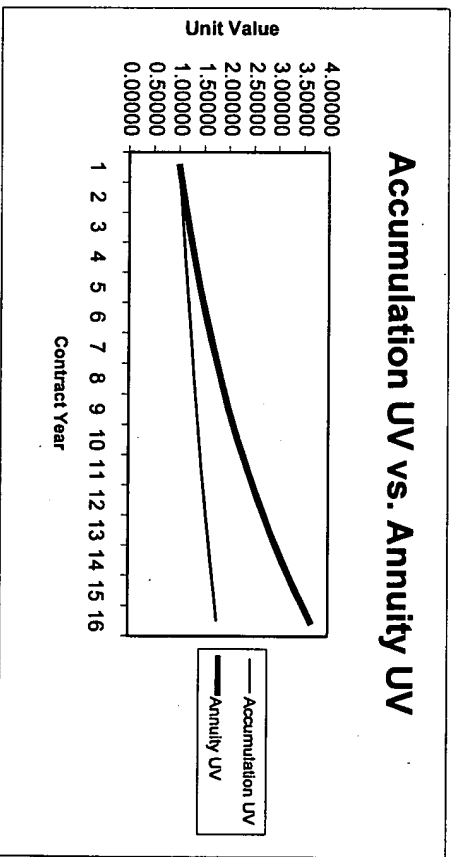


FIGURE 2

Simple 90% Floor Guarantee					90% Floor Guarantee w/ Reduced Future Payments				
	Normal Variable Payment.	Payment with 90% Guarantee	Amount Due From Fut Payments	Cost to Insurance Company		Normal Variable Payment	Payment with 90% Guarantee	Amount Due From Fut Payments	Cost to Insurance Company
1	\$100	\$100	\$0	\$0		\$100	\$100	\$0	\$0
2	\$115	\$115	\$0	\$0		\$115	\$115	\$0	\$0
3	\$112	\$112	\$0	\$0		\$112	\$112	\$0	\$0
4	\$95	\$95	\$0	\$0		\$95	\$95	\$0	\$0
5	\$83	\$90	\$0	\$7		\$83	\$90	\$7	\$7
6	\$72	\$90	\$0	\$18		\$72	\$90	\$25	\$18
7	\$61	\$90	\$0	\$29		\$61	\$90	\$54	\$29
8	\$75	\$90	\$0	\$15		\$75	\$90	\$69	\$15
9	\$81	\$90	\$0	\$9		\$81	\$90	\$78	\$9
10	\$102	\$102	\$0	\$0		\$102	\$90	\$66	-\$12
11	\$115	\$115	\$0	\$0		\$115	\$90	\$41	-\$25
12	\$78	\$90	\$0	\$12		\$78	\$90	\$53	\$12
13	\$99	\$99	\$0	\$0		\$99	\$90	\$44	-\$9
14	\$108	\$108	\$0	\$0		\$108	\$90	\$26	-\$18
15	\$125	\$125	\$0	\$0		\$120	\$99	\$5	-\$21
Totals	\$1,421	\$1,511		\$90		\$1,416	\$1,421		\$5

FIGURE 3

FIGURE 4

Retrospective Method: Floor Payment Equals Initial Payment							
Payment Number	Normal Benefit	Account Value BOY	Annuity Factor	Benefit Payment	Investment Return	Survivorship Adjustment	Account Value EOY
1	\$1,526.69	\$10,000.00	6.550	\$1,526.69	13.0%	1.0101	\$9,671.56
2	\$1,643.01	\$9,671.56	5.887	\$1,643.01	3.0%	1.0204	\$8,438.17
3	\$1,611.71	\$8,438.17	5.236	\$1,611.71	-30.0%	1.0309	\$4,926.31
5	\$1,074.47	\$4,926.31	4.585	\$1,526.69	10.0%	1.0638	\$3,978.29
6	\$1,125.64	\$3,978.29	4.004	\$1,526.69	-5.0%	1.0989	\$2,559.36
7	\$1,018.44	\$2,559.36	3.467	\$1,526.69	30.0%	1.1364	\$1,525.55
8	\$1,260.92	\$1,525.55	2.943	\$1,526.69	25.0%	1.1765	\$0.00
9	\$1,501.09	\$0.00	2.400	\$1,526.69	22.0%	1.2048	\$0.00
10	\$1,744.13	\$0.00	1.771	\$1,526.69	15.0%	1.2346	\$0.00
Total	\$12,506.09			\$13,941.52			

FIGURE 5

Prospective Method								
Variable Annuity with Guaranteed Minimum Payments								
Annuity Units	Annuity Unit Value	Annuity Reserve	Units per Payment	Benefit Payment	Shortfall Amount	Shortfall (in units)	Adjusted Reserve	Reduced Units
10,112.25	\$1.00	\$10,112.25	1,500.00	\$1,500.00	\$0.00	0.00	\$10,112.25	1,500.00
9,134.20	\$1.10	\$10,047.62	1,500.00	\$1,650.00	\$0.00	0.00	\$10,047.62	1,500.00
8,179.50	\$0.87	\$7,116.17	1,500.00	\$1,500.00	\$195.00	224.14	\$6,921.17	1,449.67
6,987.77	\$0.97	\$6,778.13	1,449.67	\$1,500.00	\$93.82	96.73	\$6,684.31	1,424.35
6,078.13	\$1.05	\$6,382.04	1,424.35	\$1,500.00	\$4.44	4.22	\$6,377.60	1,423.05
5,364.88	\$1.07	\$5,740.42	1,423.05	\$1,522.67	\$0.00	0.00	\$5,740.42	1,423.05
4,703.31	\$1.05	\$4,938.48	1,423.05	\$1,500.00	\$5.79	5.52	\$4,932.68	1,420.66
4,045.27	\$1.00	\$4,045.27	1,420.66	\$1,500.00	\$79.34	79.34	\$3,965.93	1,377.71
3,219.92	\$1.04	\$3,348.71	1,377.71	\$1,500.00	\$67.18	64.59	\$3,281.53	1,329.41
2,304.31	\$1.04	\$2,396.48	1,329.41	\$1,500.00	\$117.42	112.90	\$2,279.06	1,175.45

Withdrawal Number	Account Value BOY	Withdrawal Amount	Investment Return	Account Value EOY
1	\$100,000.00	\$7,500.00	12%	\$103,600.00
2	\$103,600.00	\$7,770.00	16%	\$111,162.80
3	\$111,162.80	\$8,337.21	12%	\$115,164.66
4	\$115,164.66	\$8,637.35	-5%	\$101,200.95
5	\$101,200.95	\$8,637.35	-10%	\$83,307.24
6	\$83,307.24	\$8,637.35	-21%	\$58,989.21
7	\$58,989.21	\$8,637.35	5%	\$52,869.45
8	\$52,869.45	\$8,637.35	-14%	\$38,039.61
9	\$38,039.61	\$8,637.35	1%	\$29,696.28
10	\$29,696.28	\$8,637.35	-15%	\$17,900.09
11	\$17,900.09	\$8,637.35	-5%	\$8,799.61
12	\$8,799.61	\$8,637.35	15%	\$186.60
13	\$186.60	\$8,637.35	23%	\$0.00
14	\$0.00	\$8,637.35	10%	\$0.00
15	\$0.00	\$8,637.35	8%	\$0.00

FIGURE 6

FIGURE 7

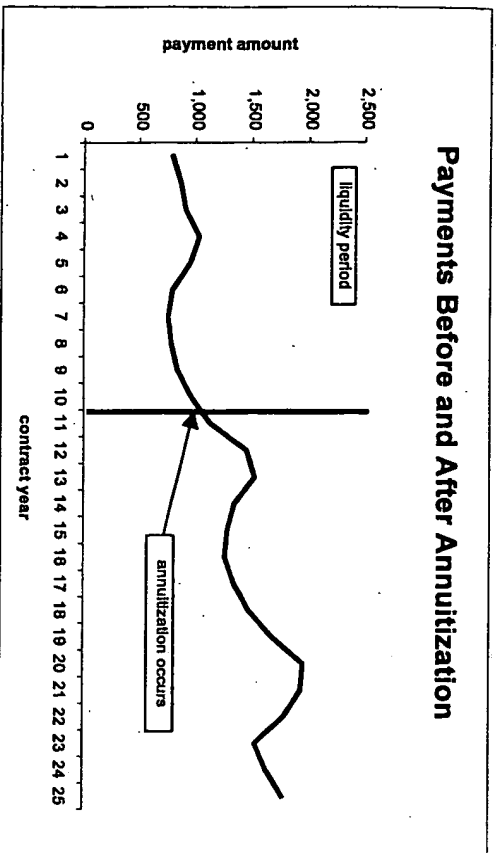


FIGURE 8

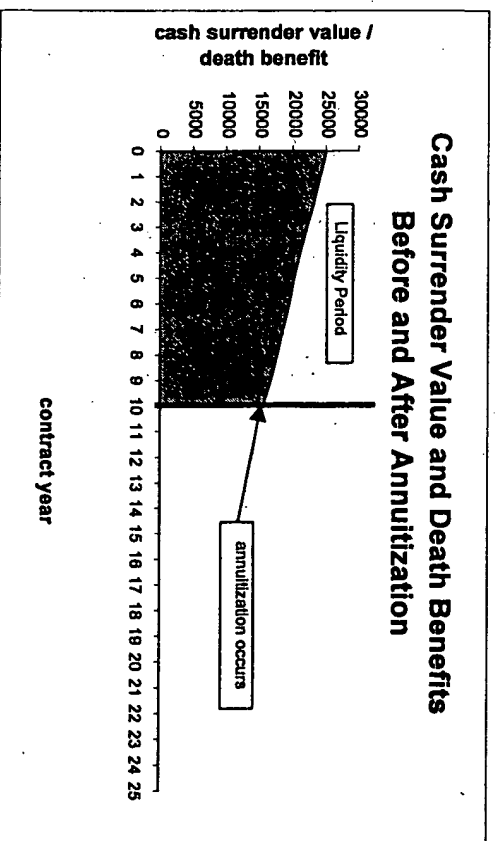
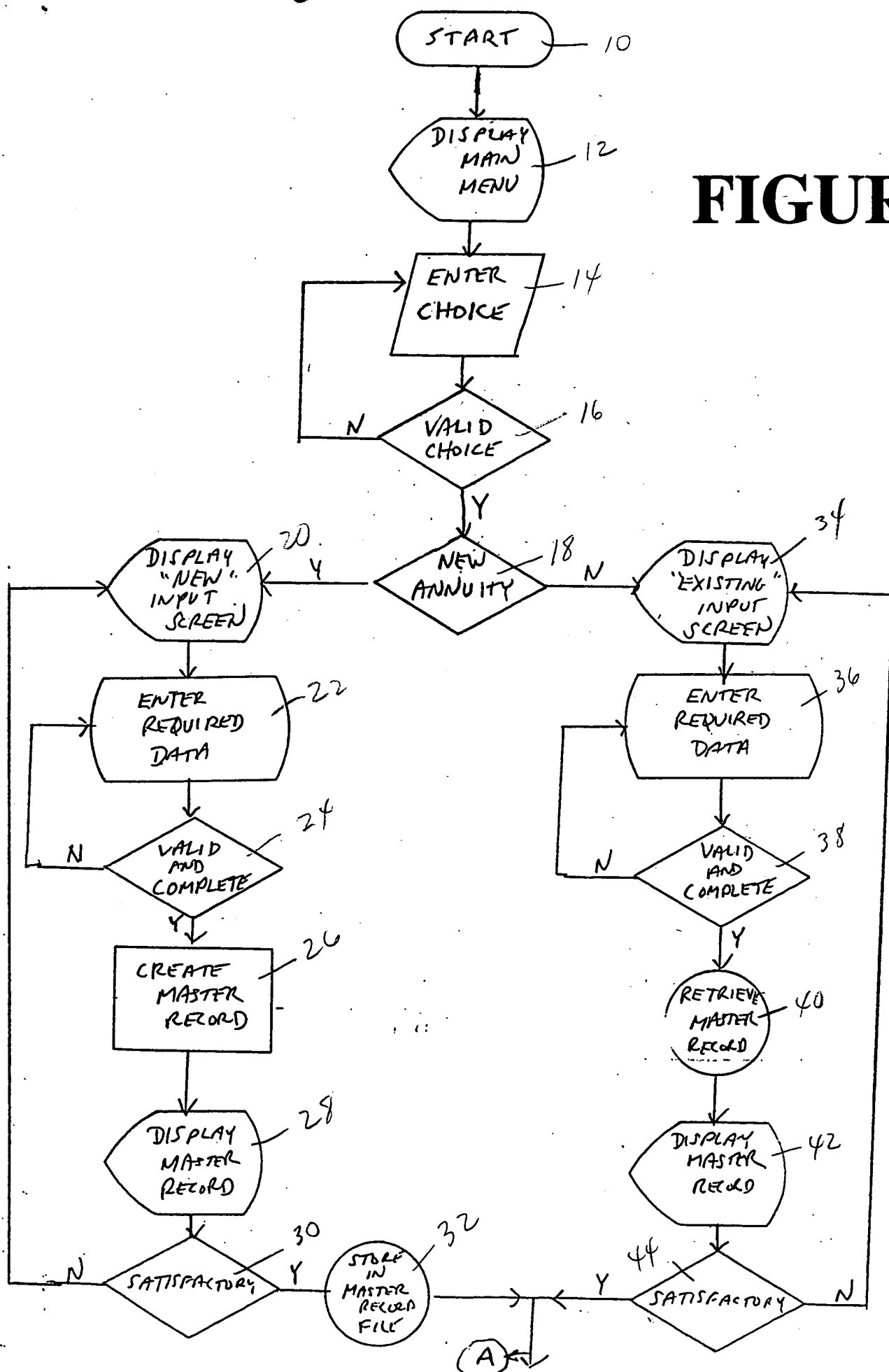


FIGURE 9



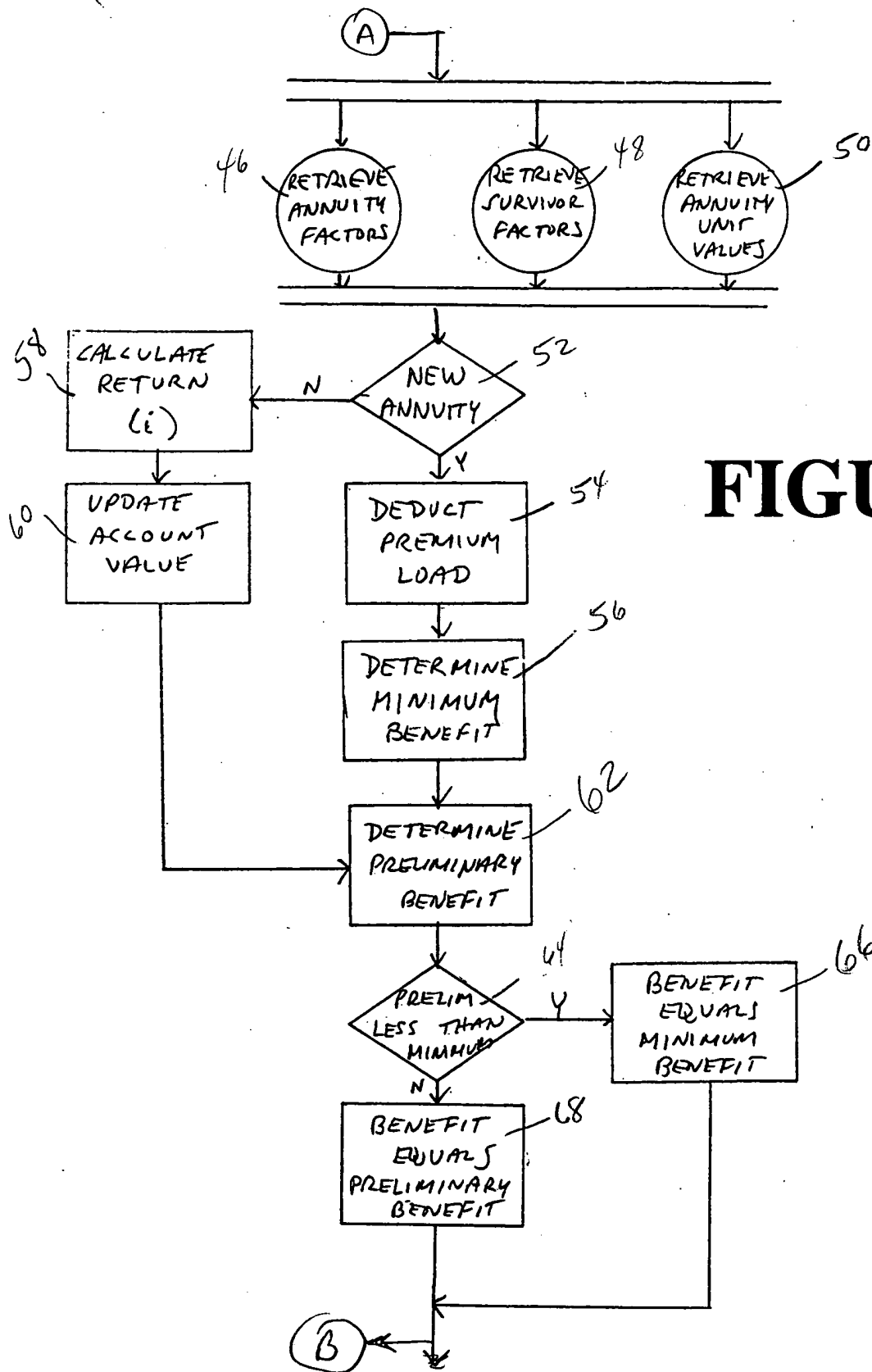


FIGURE 10

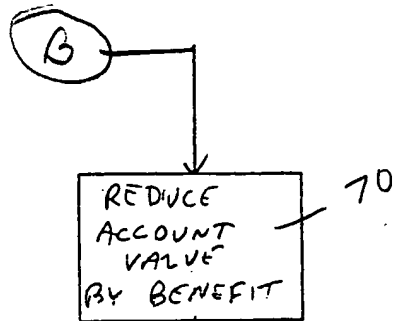


FIGURE 11

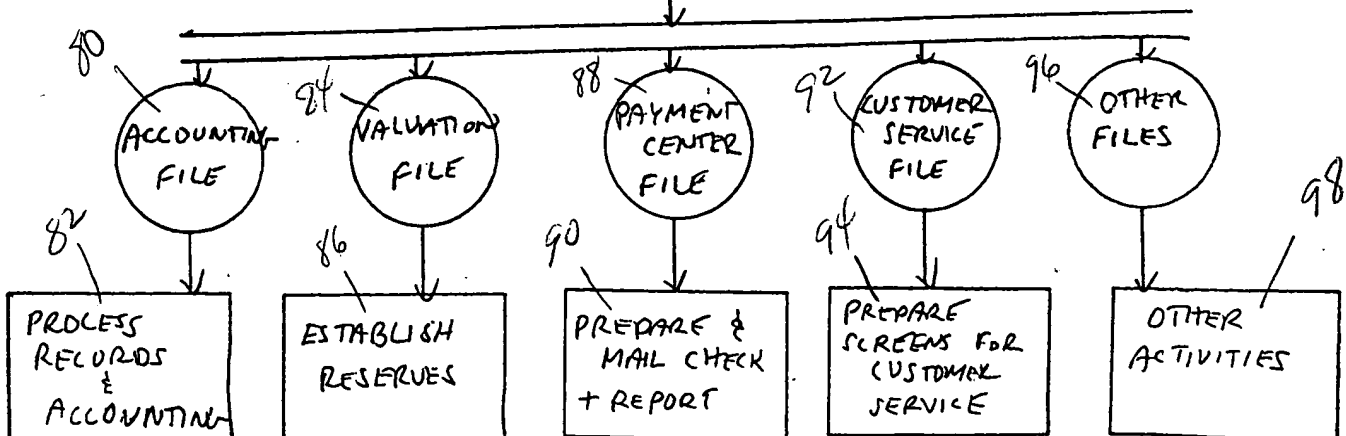
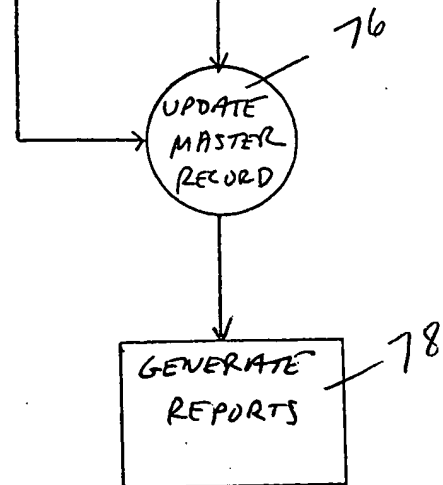
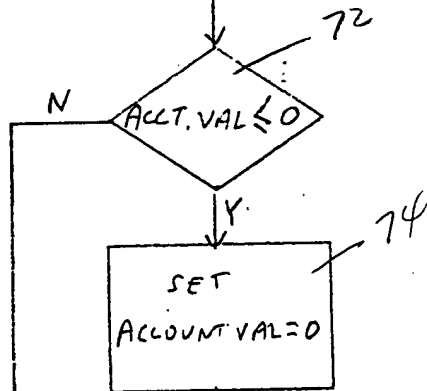


FIGURE 12

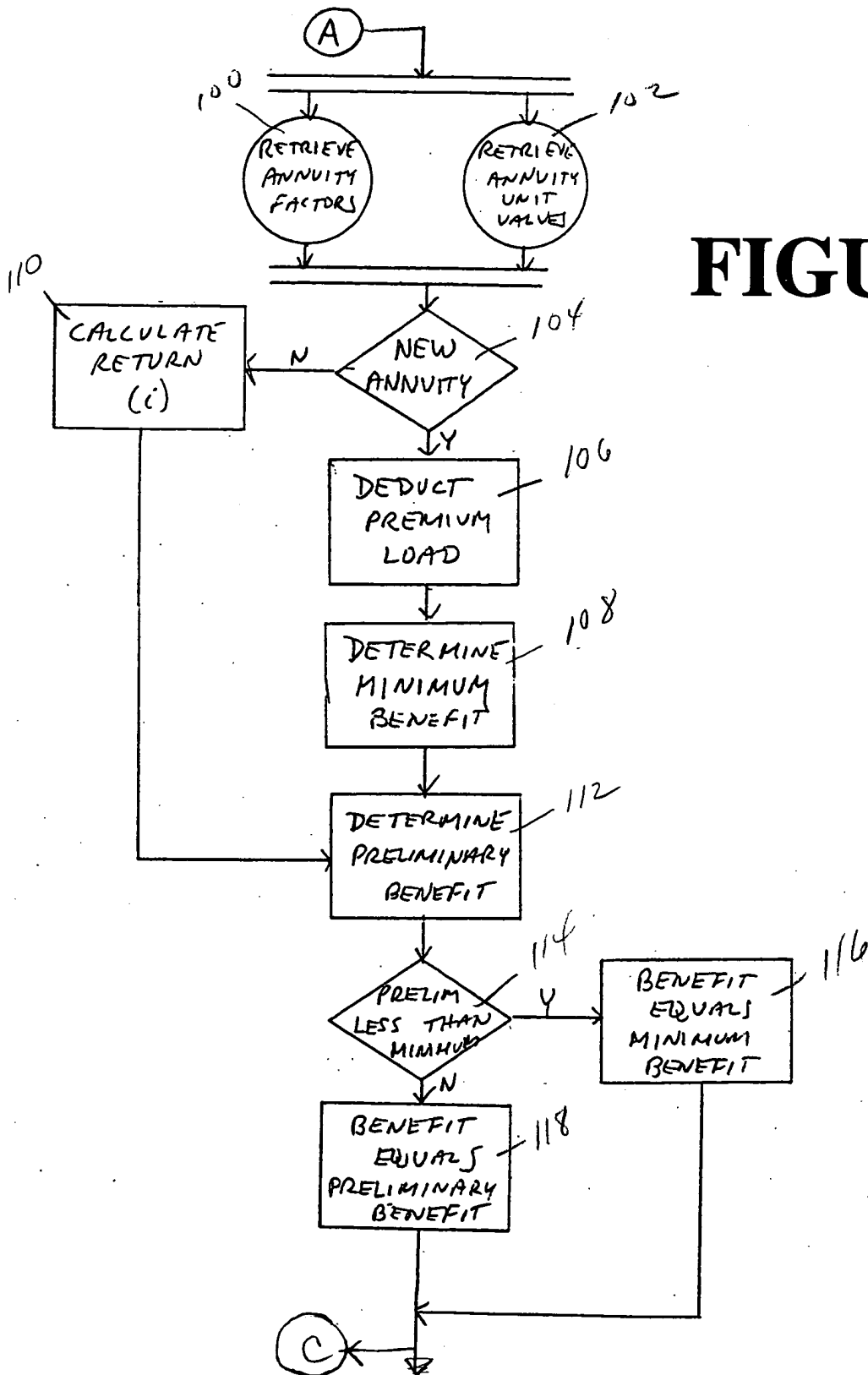
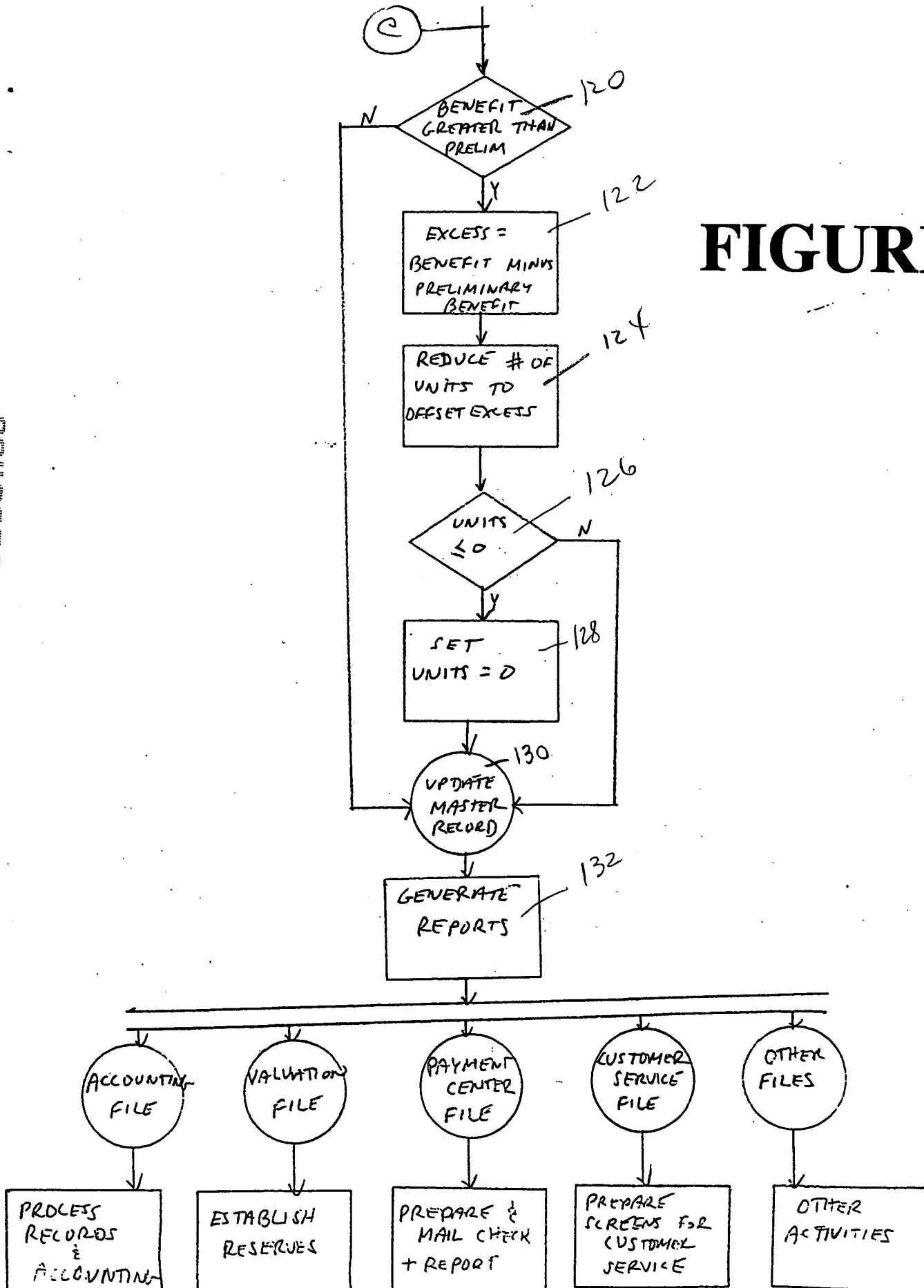


FIGURE 13



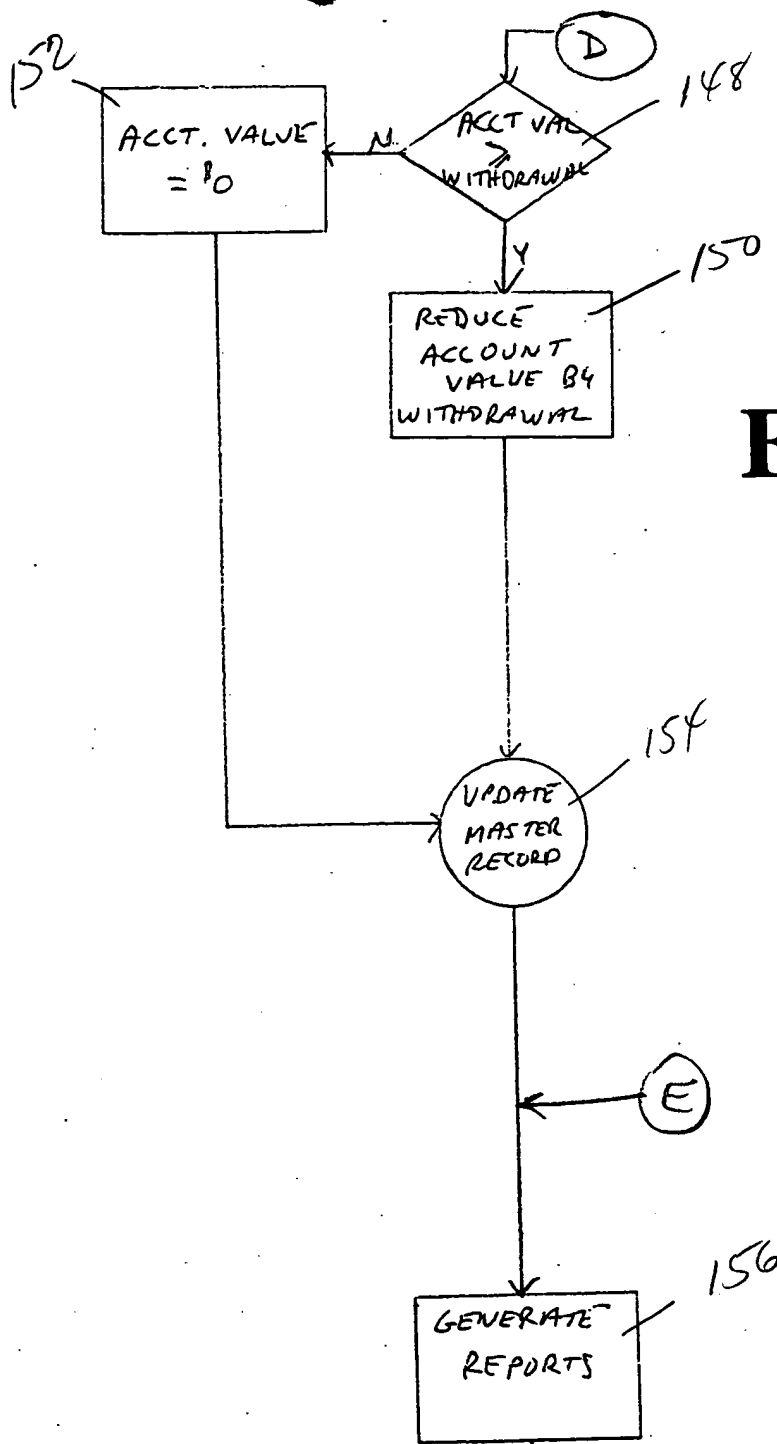


FIGURE 15

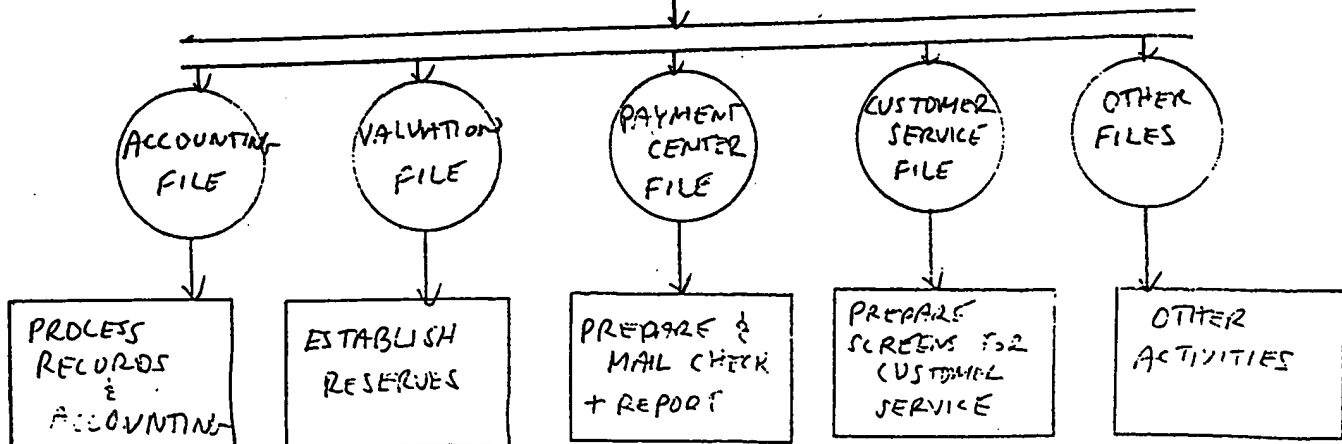


FIGURE 16

